DOCKET NO: 219467US0X

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF	:
SHIGEKI KOBAYASHI, ET AL.	: EXAMINER: HU, H.
SERIAL NO: 10/072,995	:
FILED: FEBRUARY 12, 2002	: GROUP ART UNIT: 1713
FOR: PROCESS FOR PRODUCING A TETRAFLUOROETHYLENE POLYMER EXCELLENT IN STRENGTH	:

DECLARATION UNDER 37 C.F.R. § 1.132

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Now comes Hiroyuki Hirai who deposes and states:

1. That I am a graduate of Keio University and received a master degree in the year 1992.

2. That I have been employed by Asahi Glass Company, Limited for 11 years as an engineer in the field of polymerization.

3. That the following experiments were carried out by me or under my direct supervision and control.

In Comparative Example A, PTFE was prepared in the same manner as in Example 1 at page 15, last line to page 17, line 18 of the present specification, except that sodium sulfite was used in place of ammonium sulfite. Standard specific gravity (SSG) and Stress Relaxation Time values of the PTFE thus prepared were measured.

4. Results

The results are shown in the following Table A, together with the results of Example 1 of the present invention as copied from Table 1 at page 22 of the specification.

Table A

	Example 1 (according to present invention) (ammonium sulfite)	Comparative Example A (sodium sulfite)
SSG	2.148	2.1504
Stress Relaxation Time (sec)	741	501

As evident from Table A, PTFE prepared in accordance with Example 1 of the present invention using ammonium sulfite has a smaller SSG value (having a larger molecular weight) and a longer Stress Relaxation Time (excellent in heat resistance) compared to the comparative PTFE prepared by using sodium sulfite. Thus, PTFE prepared according to the present invention is superior to PTFE prepared using sodium sulfite. Such result is unexpected.

5. The undersigned petitioner declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing therefrom.

6. Further deponent saith not.

Hiroyuki Hirai

Signature Hiroyuki Hirai

Apr. 22, 2004

Date

DOCKET NO.: 219467US0X

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF:
SHIGEKI KOBAYASHI, ET AL.

GROUP ART UNIT: 1713

SERIAL NO.: 10/072,995

EXAMINER: HENRY S. HU

FILED: FEBRUARY 12, 2002

FOR: PROCESS FOR PRODUCING A TETRAFLUOROETHYLENE POLYMER EXCELLENT IN STRENGTH

DECLARATION UNDER 37 C.F.R. §1.132

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Now comes Hiroyuki Hirai who deposes and states:

1. I am a graduate of graduate school and received my master's degree in the year 1992.

2. I have been employed by Ashahi Glass Co, LTD for 11 years as a an engineer in the field of polymerization.

3. The experiments in the specification were carried out by me or under my direct supervision and control.

4. The stress relaxation time in Example 5 was erroneously reported in the Japanese priority documents as well as in the present application. In Table 1 on page 22 of the specification, the stress relaxation time of Example 5 should be "703" instead of "520".

5. The undersigned petitioner declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false

statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

6. Further deponent saith not.

Hiroyuki Ishirai
Signature

Dec. 24, 2003
Date

NFO:KAG:

PTO 1449
ified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.	SERIAL NO.
219467US0X	10/072,995
APPLICANT	
Shigeki KOBAYASHI, et al.	
FILING DATE	GROUP
February 12, 2002	1713

LIST OF REFERENCES CITED BY APPLICANT

U.S. PATENT DOCUMENTS

AMINER NITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	TRANSLATION NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	CRC Handbook of Chemistry and Physics, Ed. 56TH, Robert C. Weast, Ph.D. (2 pp.)
	AX	
	AY	
	AZ	☐ Additional References sheet(s) attach

aminer | Date Considered

xaminer: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in nformance and not considered. Include copy of this form with next communication to applicant.